

## **AMENDMENTS TO THE SPECIFICATION**

**Please amend paragraph [0073] on page 11 as follows:**

[0073] The three frequency components are separated from each other by the division of the frequency band. As a result, the frequency components of 40, 80, and 120 Hz belong to frequency bands “A”, “C”, and ~~[[“E”]]~~ “D”, respectively; and one or greater overtones are generated for each of those frequency bands.

**Please amend paragraph [0073] on page 11 as follows:**

[0074] Fig. 4 illustrates results from the generation of the overtones. The generated overtones are:

an overtone having a frequency of 160 Hz based on the fundamental tone (40 Hz) that belongs to frequency band “A” (25 to 50 Hz) ;

overtones having frequencies of 160, 240, and 320 Hz based on the twofold overtone (80 Hz) that belongs to frequency band “C” (75 to 100 Hz); and

overtones having frequencies of 240, 360, and 480 Hz based on the threefold overtone (120 Hz) that belongs to frequency band ~~“E” (125 to 150 Hz)~~ “D” (100 to 125 Hz).

**Please amend paragraph [0115] on page 18 as follows:**

[0115] Pattern 1 as illustrated in Fig. 5(a) generates:

overtones having the frequencies of 160, 200, and 240 Hz based on the 40 Hz component that belongs to frequency band “A”;

an overtone having the frequency of 160 Hz based on the 80 Hz component that belongs to frequency band “C”; and

an overtone having the frequency of 240 Hz based on the 120 Hz component that belongs to frequency band [[“E”]] “D”.

**Please amend paragraph [0116] on page 18 as follows:**

[0116] Pattern 2 as illustrated in Fig. 5(b) generates:

overtones having the frequencies of 160, 200, 240, and 280 Hz based on the 40 Hz component that belongs to frequency band “A”;

overtones having the frequencies of 160 and 240 Hz based on the 80 Hz component that belongs to frequency band “C”; and

an overtone having the frequency of 240 Hz based on the 120 Hz component that belongs to frequency band [[“E”]] “D”.

**Please amend paragraph [0127] on page 20 as follows:**

[0127] Pattern 3 as illustrated in Fig. 6(a) generates:

an overtone having the frequency of 160 Hz based on the 40 Hz component that belongs to frequency band “A”;

an overtone having the frequency of 160 Hz based on the 80 Hz component that belongs to frequency band “C”; and

an overtone having the frequency of 240 Hz based on the 120 Hz component that belongs

to frequency band [[“E”]] “D”.

**Please amend paragraph [0128] on page 20 as follows:**

[0128] Pattern 4 as illustrated in Fig. 6(b) generates:

an overtone having the frequency of 200 Hz based on the 40 Hz component that belongs to frequency band “A”;

an overtone having the frequency of 160 Hz based on the 80 Hz component that belongs to frequency band “C”; and

an overtone having the frequency of 240 Hz based on the 120 Hz component that belongs to frequency band [[“E”]] “D”.